

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

DR-538

Effective Date: May 1, 2012

Reevaluation Date: **July 2015**

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

Series 95 EV Opaque Inswing or Outswing Hinged Steel Doors, Non-impact Resistant,
manufactured by

Plyco Corporation dba Modern Door Corporation

P.O. Box 386

500 Industrial Road

Elkhart Lake, Wisconsin 53020

Telephone: (920) 876-3611

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 95 EV Opaque Inswing Hinged Steel Doors w/ Single Point Lock; (X)	LW SHD-LC50 38 x 86 LC-PG50 38 x 76-LW-SHD	± 50 psf
2	Series 95 EV Opaque Inswing Hinged Steel Doors w/ Lock and Deadbolt; (X)	LW SHD-LC75 38 x 86 LC-PG75 38 x 76-LW-SHD	± 75 psf
3	Series 95 EV Opaque Outswing Hinged Steel Doors w/ Single Point Lock; (X)	LW SHD-LC50 38 x 86 LC-PG50 38 x 76-LW-SHD	± 50 psf
4	Series 95 EV Opaque Outswing Hinged Steel Doors w/ Lock and Deadbolt; (X)	LW SHD-LC75 38 x 86 LC-PG75 38 x 76-LW-SHD	± 75 psf

Product Dimensions:

System	Overall Size	Operable Leaf Size
1-4	38" x 85 1/2"	35 3/4" x 83 1/8"

Hardware:

- Hinges: 4" fixed pin square butt; three (3) required; Secured to the door leaf with four (4) No. 10-24 x 1/2" screws. Secured to the door jamb with three (3) No. 10-24 x 1/2" screws and one (1) No. 10 screw long enough for a minimum 1 1/2" inch embedment.
- Deadbolt; Schlage; Model/Series B60NSK/626 Finish; Single key cylinder with thumb latch; Grade 1; One (1) required; Refer to Systems 2 and 4 in this evaluation report.
- Deadbolt LLL strike plate; One (1) required; Refer to Systems 2 and 4 of this evaluation report; Installed as specified in the approve drawings.

Hardware (continued):

- Lockset; Schlage; Model/Series: S-Series (S51PD SAT/626 Finish) lockset with lever handle; Grade 2; One (1) required; Refer to Systems 1 thru 4 in this evaluation report.
- Lockset strike plate; One (1) required; Refer to Systems 1 thru 4 of this evaluation report; Installed as specified in the approve drawings.

Product Identification (Certification Agency Label on Door):

System		
1 & 3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Plyco Corporation dba Modern Door Corporation
	Product Name	Series 95 EV Opaque Inswing or Outswing Steel Door w/Single Point Lock
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 AAMA/WDMA/CSA 101/I.S.2/A440-08

Product Identification (Certification Agency Label on Door):

System		
2 & 4	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Plyco Corporation dba Modern Door Corporation
	Product Name	Series 95 EV Opaque Inswing or Outswing Steel Door w/Lock and Deadbolt
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

Installation:

Design Drawings:

Systems 1 and 2: The doors shall be installed in accordance with Drawing No. PCO003, titled "Plyco Corporation Series 95EV Flush Steel Inswing Door," sheets 1 through 5 of 5, dated August 31, 2011, signed and sealed by Alexis Spyrou., P.E on September 14, 2011. The stated drawings will be referred to as the approved drawings in this evaluation report.

Systems 3 and 4: The doors shall be installed in accordance with Drawing No. PCO004, titled "Plyco Corporation Series 95EV Flush Steel Outswing Door," sheets 1 through 5 of 5, dated July 21, 2011, signed and sealed by Alexis Spyrou., P.E on September 14, 2011. The stated drawings will be referred to as the approved drawings in this evaluation report.

Wall Framing Construction: The doors may be mounted to several types of wall framing construction. The types of wall framing construction allowed include:

- Concrete (minimum compressive strength: 2,700 psi)
- Hollow concrete block (ASTM C-90, Grade N, Type 1 (or greater); minimum compressive strength: 1,500 psi)
- Wood dimension lumber (minimum Spruce-Pine-Fir)

Installation:

- Refer to Sheet 1 of 5 of the approved drawings for the Installation and General Notes.

Installation (continued):

- Refer to Sheet 2 of 5 of the approved drawings for the Anchor Layout.
- Refer to Sheet 3 of 5 of the approved drawings for the Vertical Sections.
- Refer to Sheet 4 of 5 of the approved drawings for the Horizontal Sections.
- The approved drawings indicate the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) and the International Building Code (IBC) and the Texas Revisions.